

Docket No. 004770.00023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED

JUN 2 8 2002

APPLICANT:

Ye Wang et al

EXAMINER:

Technology Center 2600

SERIAL NO.

09/966,482

GROUP:

2133

FILED:

September 28, 2001

FOR:

System and Method for Compressed Domain Beat Detection in

Audio Bitstreams

ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON, DC 20231

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Sir:

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INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicant herewith submits the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.

REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

X (1) within three (3) months of the **Filing Date** or before the mailing date of the **First Office Action** on the merits; or

_ (2) after the period defined in (1) but before the mailing date of a **Final Rejection** or **Notice of Allowance**, and the requisite Certification or fee under Rule 1.17(p), is included herein; or

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after the mailing date of a **Final Rejection** or **Notice of Allowance** but before the payment of the **Issue Fee**, and the requisite Certification and fee are included herein.

It is respectfully requested that each of the documents shown on the attached form(s) PTO-1449 be made of record in this application. Copies of these documents (CHECK ONE):

<u>X</u>	are enclosed herewith; or
	are in the file of related application Serial No. 00/000,000, filed, and are thus not being resubmitted herein

Early examination and allowance of the present application are respectfully solicited.

FEE AUTHORIZATION

Should any fee associated with the submission of this paper not be attached hereto as a check, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 19-0733. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,

Date: 4/26/2002

Joseph Stecewyez (Reg. No. 34,442)

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FORM PTO-1449	U.S. Department of Commerce	Atty. Docket No.	Serial No.
(Rev. 2-32)	Patent and Trademark Office	004770.00023	09/966,482
O P E CYNFORMA	ATION DISCLOSURE	Applicant:	CELV
MAY 0 1 2002 5 STATEMI	ENT BY APPLICANT	Ye Wang et al	MAY 0 3
(Use sever	ral sheets if necessary)	Filing Date:	Group: Group: Center 2
TRACE		September 28, 2001	2133

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5,148,487	09/15/1992	Nagai et al		-	
	5,579,430	11/26/1996	Grill et al		R	ECEIVED
	5,852,805	12/22/1998	Hiratsuka et al			IN 2 8 2002

FOREIGN PATENT DOCUMENTS

Technology Center 2600

						Transl	ation
Document Number	Date	Cou	ntry	Class	Subclass	Yes	No
0 718 982 A2	06/26/1996	EP	•				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

1	HERRE, et al, Evaluation of Concealment Techniques for compressed Digital Audio, Audito Engineering Society Preprint,
	March 16 – 19, 1993, Preprint 3460 (A1-4), Erlangen, Germany
2	BOLOT et al, Analysis of Audio Packet Loss in the Internet, Proc. Of 5th Int. Workshop on Network and Operating System
	Support for Digital, Audio and Video, pp. 163-174, Durham, April 1995
3	International Standard ISO/IEC, Information Technology - Coding of Moving Pictures and Associated Audio for Digital
	Storage Media at up to About 1.5 Mbit/s – Part 3, Audio Technical Corrigendum 1, Published 1996-04-15
 4	STENGER et al, A New Error Concealment Technique for Audio Transmission with Packet Loss, Telecommunications
1	Institute, University of Erlangen-Nuremberg, Cauerstrasse 7, 91058 Erlangen, Germany, Eusipco 1996
5	McKINLEY et al, Experimental Evaluation of Forward Error Correction on Multicast Audio Streams in Wireless LANs,
	Department of Computer Science and Engineering, Michigan State University, East Lansing, Michigan 48824, pp. 1 – 10,
	Copyright 2000 ACM
6	NISHIHARA et al, A Practical Query-By-Humming System for a Large Music Database, NTT Laboratores, 1 – 1
İ	Hikarinooka, Yokosuka-shi, Kanagawa, 239-0847, Japan pp. 1 - 38
 7	WANG, Y., Vilermo, M., Isherwood, D. "The Impact of the Relationship Between MDCT and DFT on Audio
	Compression: A Step Towards Solvign the Mismatch", the First IEEE Pacific-Rim Conference on Multimedia (IEEE-
	PCM2000), December 13 – 15, 2000, Sydney, Australia, pp. 130 – 138
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 8	PERKINS, C., Hodson, O., Hardman, V., "A Survey of Packet-loss Recovery Techniques for Streaming Audio," IEEE
	Network, Sept/Oct. 1998.
9	ETSI Rec. GSM 6.11, "Substitution and Muting of Lost Frames for Full Rate Speech Signals," 1992
10	GOODMAN, O.J. et al., "Waveform Substitution Techniques for Recovering Missing Speech Segments in Packet Voice
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	12	SANNECK, H. et al., "A New Technique for Audio Packet Loss Concealment," IEEE Global Internet 1996, Dec. 1996 pp.
		48 – 52
	- 13	CHEN, Y.L. Chen, B.S., "Model-based Multirate Representation of Speech Signals and its Application to Recovery of
,		Missing Speech Packets," IEEE Trans. Speech and Audio Processing, vol. 15, no. 3, May 1997, pp. 220 - 231
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EXAMINER DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

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